INDEX OF ABSTRACTS OF TUBERCULOSIS

Abbot, A. C., Goodwin, A. M., Meltzer, Sara, and Stephenson, E. Pulmonary collapse and thyroid gland, 66
Abscess, Lung, 79
—— of brain, tuberculous, Multiple, 62
Acetone extract of tubercle bacilli, Inoculated guinea pigs treated with, 37
——, Filterable forms of tubercle bacilli made virulent by, 28
Acetone-soluble fat, Cellular reactions to, 22
Acid-fast bacilli, Atypical, 28
—— —— from guinea pigs with spontaneous infection, 19
—— —— in tuberculosis patients with normal kidneys, 57
—— infections, Spontaneous, of guinea pigs, 19
Action of water on tubercle bacilli, 30
Active tuberculosis, Hypertension and, 39
Activity in tuberculosis, Principles of, 48
Acute cor pulmonale, 80
—— diseases, Tuberculin allergy and, 33
—— pneumothorax, Treatment of, 76
—— primary diaphragmitis, 53
—— pulmonary diseases, Spontaneous pneumothorax and, 78
Adams, W. E., Hrdina, L., and Dostal, L. E. Vascular changes in atelectasis, 75
Addison's disease, 59
Adsorption of antibodies, 37
Adults, Primary tuberculosis in, 20
Advanced consumptive, Care of, 64
—— pulmonary tuberculosis, Tubercle bacilli in urine in, 56
African natives, Tuberculosis among, 2
Air, Open, treatment of tuberculous children, 15
Alcohol, Injection of, into phrenic nerve, 69
Alexander, J. Pneumonectomy and lobectomy, 73
Allergy and tuberculous lesions, 34
——, Tuberculin, and acute diseases, 33
——, ——, Clinical significance of, 31
Analysis of gastric contents for tubercle bacilli, 15
Andrews, C. H. Bronchial stenosis in pulmonary tuberculosis, 22
Animal tuberculosis eradication, Status of, 18
Antelawa, N. W. Upper thoracoplasty, 72
Antibodies, Adsorption of, 37
——, Complement-fixation methods for measuring, 46
Antigenic properties of various tuberculin fractions, 33
Antigens, protein, ordinary, "Tuberculin type" reaction with, 34
Aoki, Y. Complement-fixation methods of measuring antibodies, 46
Apex, pulmonary, Empyema of, in childhood, 16
Apical cavities, closure of, Surgical, 72
—— empyema, Combined mediastinal and, 79
—— thoracoplasty, 71
Archer, V. W., Blackford, S. D., and Wissler, J. E. Chest roentgenograms in tularaemia, 84
Archibald, E. Dangers of lobectomy, 74
Armand-Delille, P., and Gavois, H. Variance in tubercle bacilli isolated from same patient, 29
Aronson, J. D. Tuberculous infection in Michigan, 1
Arterial blood, gaseous content of, Relationship of pulmonary capacity to, 26
Arteritis, Tuberculous, 54
Artificial pneumothorax in lobar pneumonia, 76
—— ——, pleuritis in, Prevention of, 67
—— ——, Pleuropulmonary retraction after, 68
—— ——, Reëstablished, 68
—— —— treatment of exudative pleurisy, 67
Asbestosis, Pulmonary, 80
Aspergillosis of wild turkeys in captivity, 83
——, Pulmonary, 83
Assimilation, Carbohydrate, in tuberculosis of childhood, 14
Asthma, Fatal, 75
Atelectasis due to performation of bronchial nodes, 75
—— or infiltration, 23
——, Vascular changes in, 75
Atelectatic bronchiectasis, 75
Atypical acid-fast bacilli, 28

Auerbach, O., *et al.* (see Greenberger, M. E.). Incidence of renal tuberculosis, 56
Auscultation of pulmonary cavities, 42
Avian bacilli, Persistence of, in soil, 30
—— tuberculosis, Environment and, 13
—— —— from cattle, 17
—— —— problem, 18
Ayman, D. Hypertension and active tuberculosis, 39

Bacanu, C., and Pezzangora, F. Acid-fast bacilli in tuberculosis patients with normal kidneys, 57
Bacilli, acid-fast, Atypical, 28
——, ——, from guinea pigs with spontaneous infection, 19
——, ——, in tuberculosis patients with normal kidneys, 57
——, avian, Persistence of, in soil, 30
——, tubercle, acetone extract of, Inoculated guinea pigs treated with, 37
——, ——, Action of water on, 30
——, ——, Analysis of gastric contents for, 15
——, ——, Blood cultures for, using whole blood, 45
——, ——, Bovine, in man, 30
——, ——, ——, Transformation of, 29
——, ——, ——, Virulent, in tuberculous meningitis, 60
——, ——, Filterable forms of, made virulent by acetone, 28
——, ——, from human sources, virulence of, Variation of, 29
——, ——, in blood, Demonstration of, 45
——, ——, —— faeces, 43
——, ——, —— tuberculous meningitis, Polymorphism of, 60
——, ——, —— urine in advanced pulmonary tuberculosis, 56
——, ——, isolated from same patient, Variance in, 29
——, ——, Isolation of, 44
——, ——, morphology of, Colony, 28
——, ——, Search for, in child by stomach lavage, 15
——, ——, Soil protozoa and, 31
Bacillus, Johne's, in synthetic medium, 31
——, tubercle, Demonstration of, 44
——, ——, H37, human, Complex polysaccharide from, 25
——, ——, Mutations of, 29
Bacillus, tubercle, single, Infection of guinea pigs by, 28
Baker, R. D. Endocardial tuberculosis, 53
Baker-Bates, E. T., and Ellis, G. R. Empyema complicating neoplasm, 79
Baldó, J. I. Simultaneous bilateral pneumothorax, 77
Barnard, W. G. Tuberculous arteritis, 54
Barrón, A. G. Tuberculous infection in Peru, 7
BCG, culture of, homoganized, Biological properties of, 9
——, Homogenization of two strains of, 10
——, R and S variants of, Vaccination *per os* of, 38
Beaumont, G. E. Treatment of haemoptysis, 65
Behrend, A., Tuck, F. L., and Robertson, W. E. Artificial pneumothorax in lobar pneumonia, 76
Bennett, D., and Hines, L. E. Artificial pneumothorax in lobar pneumonia, 76
Bethune, N. Chronic thoracic empyema treated with maggots, 78
——, ——. Pleural poudrage, 74
Bilateral pneumothorax, Physiological pathology of, 67
—— ——, Simultaneous, 77
Biological properties of homogenized culture of *BCG*, 9
Birkelo, C. C. Minimal tuberculous lesion, 20
Birkhaug, K. E. Infection of guinea pigs by single tubercle bacillus, 28
——, ——. Vaccination *per os* of R and S variants of *BCG*, 38
Bisgard, J. D. Experimental thoracogenic scoliosis, 80
Blackford, S. D. Lung in tularaemia, 84
——, ——. ——., *et al.* (see Archer, V. W.). Chest roentgenograms in tularaemia, 84
Blacklock, J. W. S., and Griffin, Mary A. Tuberculous meningitis in children, 15
Bladder to rectum, Ureteral transplantation from, for tuberculous cystitis, 58
Blanco, R. P., and Sarno, A. Pleuropulmonary retraction after artificial pneumothorax, 68
Blechmann, M., and Priboianu, D. Traumatism in pulmonary disease, 13

Blood, arterial, gaseous content of, Relationship of pulmonary capacity to, 26
——, Carbon dioxide in, in chronic pulmonary disease, 26
—— changes during treatment with sanocrysin, 74
—— cultures for tubercle bacilli using whole blood, 45
—— —— in tuberculosis cutis and tuberculides, 62
—— gas content in pulmonary disease, 25
—— of tuberculous, Ultrafilterable calcium and calcium-potassium ratio in, 24
—— picture and sedimentation reaction in pulmonary tuberculosis, 38
—— —— in tuberculosis, 43
——, tubercle bacilli in, Demonstration of, 45
——, whole, Blood cultures for tubercle bacilli using, 45
Boer, H.-D. Filterable forms of tubercle bacilli made virulent by acetone, 28
Böhm, F., and Grüner, G. Meinicke reaction in tuberculosis, 46
Bohrer, J. V. Lobectomy in children, 15
Boquet, A., and Laporte, R. Experimental tuberculous infection of pleural cavity, 23
——, ——., —— ——, ——. Experimental tuberculous pleurisy, 23
Bovine tubercle bacilli in man, 30
—— —— ——, Transformation of, 29
—— —— ——, Virulent, in tuberculous meningitis, 60
Brain, tuberculous abscess of, Multiple, 62
Brincourt, *et al.* (see Pruvost). Roentgenology of giant cavities, 40
Brokschmidt, W. Cancer and tuberculosis of lung, 82
Bronchi, calibre of, Respiratory changes in, 22
Bronchial carcinoma, 82
—— ——, Diagnosis of, 82
—— nodes, perforation of, Atelectasis due to, 75
—— stenosis in pulmonary tuberculosis, 22
Bronchiectasis, Atelectatic, 75
Bronchogenic carcinoma, 81
Bronchography, Lipiodol in, 41
Brooks, W. D. W., *et al.* (see Hurtado, A.). Pulmonary capacity in pulmonary fibrosis, 26
Brown, L. T. Study of diaphragm, 23
Brown, L., and Sampson, H. L. Treatment of pulmonary tuberculosis, 63
Brun, C., and Faure-Beaulieu, M. Polymorphism of tubercle bacilli in tuberculous meningitis, 60
Bryan, N. A., *et al.* (see Cournand, A.). Pneumothorax and cardiac output, 78
——, ——. ——., —— (see Richards, D. W., Jr.). Carbon dioxide in blood in chronic pulmonary disease, 26
Bubert, H. M., and Warner, C. G. Fatal asthma, 75
Bumpus, H. C., Jr., and Woodruff, S. R. Nephrectomy for renal tuberculosis, 57
Burrell, L. S. T. Reinfection and resistance to tuberculosis, 36
——, ——. ——. ——. Treatment of acute pneumothorax, 76
Burrows, S. M. Tuberculosis among Dinkas of Southern Sudan, 3
Butler, E. F., and Fairbanks, Dorothy. Blood gas content in pulmonary disease, 25

Calcification in intestinal tuberculosis, 53
Calcium-potassium ratio, Ultrafilterable calcium and, in blood of tuberculous, 24
Calcium, Ultrafilterable, and calcium-potassium ratio in blood of tuberculous, 24
Calibre of bronchi, Respiratory changes in, 22
Cambronero, M., *et al.* (see Triviño, G.). Pulmonary aspergillosis, 83
Campaign against tuberculosis in Colombia, 8
Cancer and tuberculosis of lung, 82
Cannon, P. R., and Tuttle, W. M. Lung abscess, 79
Capacity, Pulmonary, in pulmonary fibrosis, 26
——, ——, Relationship of, to gaseous content of arterial blood, 26
Captivity, wild turkeys in, Aspergillosis of, 83
Carbohydrate assimilation in tuberculosis of childhood, 14
Carbon dioxide in blood in chronic pulmonary disease, 26
Carcinoma, Bronchial, 82
——, ——, Diagnosis of, 82

Carcinoma, Bronchogenic, 81
Cardiac output, Pneumothorax and, 78
Care of advanced consumptive, 64
Cases of uveoparotid tuberculosis, Three, 50
Catonnet and Lieutier. Search for tubercle bacilli in child by stomach lavage, 15
Cattle, Avian tuberculosis from, 17
Cavities, apical, closure of, Surgical, 72
——, giant, Roentgenology of, 40
——, pulmonary, Auscultation of, 42
——, tuberculous, Histology of, 21
Cavity, pleural, tuberculous infection of, Experimental, 23
——, Tuberculous, in infant 43 days old, 13
Cellular reactions to acetone-soluble fat, 22
Cerebrospinal fluid in tuberculous meningitis, 61
Cervical tuberculosis, Laryngeal and, 50
Chadwick, H. D. Tuberculosis in school-children, 14
Chandler, F. G. Treatment of primary (idiopathic?) pleurisy, 51
Changes in calibre of bronchi, Respiratory, 22
Charlone, R. Analysis of gastric contents for tubercle bacilli, 15
Chavrova, Z., and Oifebach, M. Primary tuberculosis in adults, 20
Chest roentgenograms in tularaemia, 84
Child, tubercle bacilli in, Search for, by stomach lavage, 15
Childbirth, Intrapleural pressure during, 27
Childhood, Empyema of pulmonary apex in, 16
——, tuberculosis of, Carbohydrate assimilation in, 14
Children, empyema in, Treatment of, 16
——, Lobectomy in, 15
——, school-, Tuberculosis in, 14
——, Tuberculous meningitis in, 15
——, ——, treatment of, Open air, 15
Chloride, Sodium, in sputum, 39
Cholette, A. M. Physiological pathology of bilateral pneumothorax, 67
Chronic pulmonary disease, Carbon dioxide in blood in, 26
—— thoracic empyema treated with maggots, 78
Circulatory disturbances in pulmonary tuberculosis, 25
Clawson, B. J. Allergy and tuberculous lesions, 34
Clinical significance of tuberculin allergy, 31
Closure of apical cavities, Surgical, 72
Collapse, Pulmonary, and thyroid gland, 66
Colombia, tuberculosis in, Campaign against, 8
Colon, interposition of, Phrenic paralysis and, 69
Colony morphology of tubercle bacilli, 28
Colostrum of tuberculous women, milk and, Examination of, 47
Combined mediastinal and apical empyema, 79
Complement-fixation methods of measuring antibodies, 46
Complex polysaccharide from human tubercle bacillus H37, 25
Complicating neoplasm, Empyema, 79
Conjunctivitis, Phlyctenular, and tuberculous infection, 49
Consumptive, advanced, Care of, 64
Control, tuberculosis, Program of, 8
Cor pulmonale, Acute, 80
Costil, L., *et al.* (see Saenz, A.). Acid-fast bacilli from guinea pigs with spontaneous infection, 19
——, ——., —— (—— ——, ——.). Spontaneous acid-fast infections of guinea pigs, 19
——, ——., —— (—— ——, ——.). Spontaneous infections of tuberculosis among laboratory guinea pigs, 18
——, ——., —— (—— ——, ——.). Tubercle bacilli in urine in advanced pulmonary tuberculosis, 56
Cournand, A., Bryan, N. A., and Richards, D. W., Jr. Pneumothorax and cardiac output, 78
——, ——., *et al.* (see Richards, D. W., Jr.). Carbon dioxide in blood in chronic pulmonary disease, 26
Culture of *BCG*, homogenized, Biological properties of, 9
Cultures, Blood, for tubercle bacilli, using whole blood, 45
——, ——, in tuberculosis cutis and tuberculides, 62
Cummins, S. L. Tuberculosis among African natives, 2

Cutaneous tuberculin reactions, Effect of hyperthermia on, 47
Cutis, tuberculosis, and tuberculides, Blood cultures in, 62
Cystitis, tuberculous, Ureteral transplantation from bladder to rectum for, 58

D'Allesandro, B., and Sofia, F. Adsorption of antibodies, 37
daCosta, M.-J. Bruno, and Sarmento, A. deM. Ultrafilterable calcium and calcium-potassium ratio in blood of tuberculous, 24
Dangers of lobectomy, 74
Death, Iodism and, after lipiodol bronchography, 41
Demonstration of tubercle bacilli in blood, 45
—— —— —— bacillus, 44
Denys, P. Biological properties of homogenized culture of *BCG*, 9
——, ——. Homogenization of two strains of *BCG*, 10
DeRezende, S., *et al.* (see Renzo, A.). Injection of alcohol into phrenic nerve, 69
Diagnosis of bronchial carcinoma, 82
—— —— early tuberculosis, 39
Diagnostic problem of dyspnoea, 47
Diaphragm, function of, Motor, 24
——, Study of, 23
Diaphragmitis, primary, Acute, 53
Diathesis, Haemorrhagic, and pulmonary haemorrhage in tuberculosis, 25
Digestion, sputum, Method of, 43
Dinkas of Southern Sudan, Tuberculosis among, 3
Disease, Addison's, 59
——, Hodgkin's, 82
——, pulmonary, Blood gas content in, 25
——, ——, chronic, Carbon dioxide in blood in, 26
——, ——, Traumatism in, 13
Diseases, acute, Tuberculin allergy and, 33
——, pulmonary, acute, Spontaneous pneumothorax and, 78
Disturbances, Circulatory, in pulmonary tuberculosis, 25
Dostal, L. E., *et al.* (see Adams, W. E.). Vascular changes in atelectasis, 75
Doucey, E. F., and McNamara, W. L. Method of sputum digestion, 43
Douday, D., and Michel, R. Motor function of diaphragm, 24
Dreyfus, J. R. Empyema of pulmonary apex in childhood, 16
Dugois, P., *et al.* (see Gaté, J.). Blood cultures in tuberculosis cutis and tuberculides, 62
Dupire, J., and Minet, J. Phrenicectomy for persistent haemoptysis, 70
Durant, A. J., and Tucker, C. M. Aspergillosis of wild turkeys in captivity, 83
Dwolaitskaja-Barischewa, K. M., and Weissfeiler, J. Action of water on tubercle bacilli, 30
Dyspnoea, Diagnostic problem of, 47

Economics of tuberculosis problem, 1
Effect of hyperthermia on cutaneous tuberculin reactions, 47
Eggers, C. Intrathoracic tumors, 81
Eisendrath, D., *et al.* (see Saenz, A.). Tubercle bacilli in urine in advanced pulmonary tuberculosis, 56
Ellis, G. R., and Baker-Bates, E. T. Empyema complicating neoplasm, 79
Ellis, M. P., and Livingston, A. E. Respiratory changes in calibre of bronchi, 22
Eloesser, L. New operation for tuberculous empyema, 66
Emerson, K. Program of tuberculosis control, 8
Empyema, Chronic thoracic, treated with maggots, 78
—— complicating neoplasm, 79
—— in children, Treatment of, 16
——, mediastinal and apical, Combined, 79
—— of pulmonary apex in childhood, 16
——, Treatment of, 78
——, Tuberculous, 52
——, ——, operation for, New, 66
End-results of nephrectomy, 58
Endocardial tuberculosis, 53
Endogenous origin of pulmonary tuberculosis, 10
Environment and avian tuberculosis, 13
Eradication, tuberculosis, animal, Status of, 18
Esteban, J., *et al.* (see Triviño, G.). Pulmonary aspergillosis, 83

Examination of milk and colostrum of tuberculous women, 47
Experimental thoracogenic scoliosis, 80
—— tuberculous infection of pleural cavity, 23
—— —— pleurisy, 23
Extract, acetone, of tubercle bacilli, Inoculated guinea pigs treated with, 37
Exudative pleurisy, treatment of, Artificial pneumothorax, 67

Faeces, Tubercle bacilli in, 43
Fairbanks, Dorothy, and Butler, E. F. Blood gas content in pulmonary disease, 25
Fat, acetone-soluble, Cellular reactions to, 22
Fatal asthma, 75
Faure-Beaulieu, M., and Brun, C. Polymorphism of tubercle bacilli in tuberculous meningitis, 60
Feldman, W. H., and Schlotthauer, C. F. Avian tuberculosis from cattle, 17
Fetter, T. R., and Rucher, C. J. Renal tuberculosis, 55
Fibrosis, pulmonary, capacity in, Pulmonary, 26
Filterable forms of tubercle bacilli made virulent by acetone, 28
Findlay, L. Atelectatic bronchiectasis, 75
Fleischner, F. Atelectasis due to perforation of bronchial nodes, 75
Floyd, C. Pregnancy and pulmonary tuberculosis, 11
Fluid, Cerebrospinal, in tuberculous meningitis, 61
Focal shadows, Round, 21
Folke, L. Tuberculin tests in Greenland, 7
Force of gravity on pneumothorax, 68
Fractions, tuberculin, Antigenic properties of various, 33
Fray, W. W., *et al.* (see Hurtado, A.). Pulmonary capacity in pulmonary fibrosis, 26
Fremont-Smith, F., and Merritt, H. H. Cerebrospinal fluid in tuberculous meningitis, 61
Freund, J. Schwartzmann phenomenon in tuberculous guinea pigs, 16
Function, Motor, of diaphragm, 24
Fusion, Hip, and shelf operation, 60
——, ——, operation, 59

Gaines, L. M. Diagnostic problem of dyspnoea, 47
Galarza, M. E. Artificial pneumothorax treatment of exudative pleurisy, 67
Garcia, J. L., and Garcia-Miñon. Phytotoxic index in pulmonary tuberculosis, 46
Garcia-Miñon, and Garcia, J. L. Phytotoxic index in pulmonary tuberculosis, 46
Gas content, Blood, in pulmonary disease, 25
Gaseous content of arterial blood, Relationship of pulmonary capacity to, 26
Gastric contents, Analysis of, for tubercle bacilli, 15
Gaté, J., Michel, P. J., and Dugois, P. Blood cultures in tuberculosis cutis and tuberculides, 62
Gavois, H., and Armand-Delille, P. Variance in tubercle bacilli isolated from same patient, 29
Gavrillow, W. Variation of virulence of tubercle bacilli from human sources, 29
Genital-tract tuberculosis, 56
Gernez, C., and Marchandise, C. Effect of hyperthermia on cutaneous tuberculin reactions, 47
Giant cavities, Roentgenology of, 40
Girard, P. M. Hip fusion and shelf operation, 60
Gloyne, S. R. Histology of tuberculous cavities, 21
Gómez, G. E., *et al.* (see Pereira, L. L.). Campaign against tuberculosis in Colombia, 8
Goodwin, A. M., *et al.* (see Abbot, A. C.). Pulmonary collapse and thyroid gland, 66
Granet, E. Intestinal tuberculosis, 54
Gravity, Force of, on pneumothorax, 68
Greenberger, M. E., Wershub, L. P., and Auerbach, O. Incidence of renal tuberculosis, 56
Greenland, Tuberculin tests in, 7
Griffin, Mary A., and Blacklock, J. W. S. Tuberculous meningitis in children, 15
Grüner, G., and Böhm, F. Meinicke reaction in tuberculosis, 46

Guinea pigs, acid-fast infections of, Spontaneous, 19
—— ——, Infection of, by single tubercle bacillus, 28
—— ——, Inoculated, treated with acetone extract of tubercle bacilli, 37
—— ——, laboratory, infections of tuberculosis among, Spontaneous, 18
—— ——, tuberculous, Schwartzmann phenomenon in, 16
—— —— with spontaneous infection, Acid-fast bacilli from, 19

H37, human tubercle bacillus, Complex polysaccharide from, 25
Haemoptysis, persistent, Phrenicectomy for, 70
——, Treatment of, 65
Haemorrhage, pulmonary, Haemorrhagic diathesis and, in tuberculosis, 25
Haemorrhagic diathesis and pulmonary haemorrhage in tuberculosis, 25
Hanks, J. H. "Tuberculin type" reaction with ordinary protein antigens, 34
Harris, R. I. Hip fusion operation, 59
Hartfall, S. J., and Pyrah, L. N. Combined mediastinal and apical empyema, 79
Hastings, E. G., and McCarter, Janet. Johne's bacillus in synthetic medium, 31
Heacock, C. H. Calcification in intestinal tuberculosis, 53
Heaf, F. R. G. Care of advanced consumptive, 64
Heaf, F. Major surgical treatment of pulmonary tuberculosis, 64
Heidelberger, M., and Menzel, A. E. O. Complex polysaccharide from human tubercle bacillus H37, 25
Herrmann, L. G., and Longacre, J. J. Pulmonary suppuration, 79
Hines, L. E., and Bennett, D. Artificial pneumothorax in lobar pneumonia, 76
Hip fusion and shelf operation, 60
—— —— operation, 59
Histology of tuberculous cavities, 21
Hodgkin's disease, 82
Homogenization of two strains of *BCG*, 10
Homogenized culture of *BCG*, Biological properties of, 9
Hormaeche, E., Huges, F., and Ledesma, C. H. Demonstration of tubercle bacillus, 44
Houcke, E., and Minet, J. Spontaneous pneumothorax and acute pulmonary diseases, 78
Hrdina, L., *et al.* (see Adams, W. E.). Vascular changes in atelectasis, 75
Hudson, W. A. Unsatisfactory thoracoplasty results, 73
Huges, F., *et al.* (see Hormaeche, E.). Demonstration of tubercle bacillus, 44
Human sources, tubercle bacilli from, virulence of, Variation of, 29
—— tubercle bacillus H37, Complex polysaccharide from, 25
Hurtado, A., Kaltreider, N. L., and McCann, W. S. Relationship of pulmonary capacity to gaseous content of arterial blood, 26
——, ——., ——, ——. ——., Fray, W. W., Brooks, W. D. W., and McCann, W. S. Pulmonary capacity in pulmonary fibrosis, 26
Hyperchloraemia in pulmonary tuberculosis, 38
Hypertension and active tuberculosis, 39
Hyperthermia, Effect of, on cutaneous tuberculin reactions, 47

(Idiopathic?), primary, pleurisy, Treatment of, 51
Incidence of renal tuberculosis, 56
Index, Phytotoxic, in pulmonary tuberculosis, 46
Infant 43 days old, Tuberculous cavity in, 13
Infected pneumothorax, Persistent, 77
Infection of guinea pigs by single tubercle bacillus, 28
——, spontaneous, guinea pigs with, Acid-fast bacilli from, 19
——, Tuberculous, in Michigan, 1
——, ——, —— Peru, 7
——, ——, of pleural cavity, Experimental, 23
——, ——, Phlyctenular conjunctivitis and, 49
Infections, acid-fast, Spontaneous, of guinea pigs, 19

Infections of tuberculosis, Spontaneous, among laboratory guinea pigs, 18
Infiltration, Atelectasis or, 23
Injection of alcohol into phrenic nerve, 69
Inoculated guinea pigs treated with acetone extract of tubercle bacilli, 37
Interpretation, X-ray, 40
Intestinal tuberculosis, 54
—— ——, Calcification in, 53
Intrapleural pneumolysis, 70, 71
—— pressure during childbirth, 27
Intrathoracic tumors, 81
Iodism and death after lipiodol bronchography, 41
Iron storage in tuberculous tissue, 27
Isolated from same patient, Variance of tubercle bacilli, 29
Isolation of tubercle bacilli, 44

Jackson, C. L., and Konzelmann, F. W. Bronchial carcinoma, 82
Joannides, M. Acute primary diaphragmitis, 53
Johne's bacillus in synthetic medium, 31
Josephsen, G. Blood changes during treatment with sanocrysin, 74

Kaltreider, N. L., *et al.* (see Hurtado, A.). Pulmonary capacity in pulmonary fibrosis, 26
——, ——. ——., —— (—— ——, ——.). Relationship of pulmonary capacity to gaseous content of arterial blood, 26
Kasman, L. P., *et al.* (see Koster, H.). Treatment of empyema in children, 16
Kenner, A. Diagnosis of bronchial carcinoma, 82
Kerper, E. H., and McMahon, B. T. Auscultation of pulmonary cavities, 42
Keyes, E. L. Renal tuberculosis, 55
Kidneys, normal, tuberculosis patients with, Acid-fast bacilli in, 57
Kjelland, P. M. Normal sedimentation rate in tuberculosis, 46
Konzelmann, F. W., and Jackson, C. L. Bronchogenic carcinoma, 82
Korol, E. Force of gravity on pneumothorax, 68
Koster, H., Rosenblum, J., Kasman, L. P., and Lerner, H. Treatment of empyema in children, 16
Kourilsky, R., and Sergent, E. Phrenic-nerve interruption and suppuration of lung, 70
Kovács, N. Demonstration of tubercle bacilli in blood, 45
Krause, A. K. Principles of activity in tuberculosis, 48

Laboratory guinea pigs, infections of tuberculosis among, Spontaneous, 18
Laporte, R., and Boquet, A. Experimental tuberculous infection of pleural cavity, 23
——, ——., —— ——, ——. Experimental tuberculous pleurisy, 23
Laryngeal and cervical tuberculosis, 50
Launay, C., and Sergent, E. Phrenic-nerve interruption, 69
Lavage, stomach, Search for tubercle bacilli in child by, 15
Leblanc, *et al.* (see Pruvost). Roentgenology of giant cavities, 40
Ledesma, C. H., *et al.* (see Hormaeche, E.). Demonstration of tubercle bacillus, 44
Leitner, J. Blood picture in tuberculosis, 43
——, ——. Haemorrhagic diathesis and pulmonary haemorrhage in tuberculosis, 25
Lerner, H., *et al.* (see Koster, H.). Treatment of empyema in children, 16
Lesion, tuberculous, Minimal, 20
Lesions, tuberculous, Allergy and, 34
Leucocytes in tuberculosis, 43
Lieutier and Catonnet. Search for tubercle bacilli in child by stomach lavage, 15
Light therapy for urogenital tuberculosis, 57
Lipiodol bronchography, Iodism and death after, 41
—— in bronchography, 41
Livieratos, *et al.* (see Pruvost). Roentgenology of giant cavities, 40
Livingston, A. E., and Ellis, M. P. Respiratory changes in calibre of bronchi, 22
Lloyd, J. J., and Richard, E. K. Intrapleural pressure during childbirth, 27
Lobar pneumonia, Artificial pneumothorax in 76

Lobectomy, Dangers of, 74
—— in children, 15
——, Pneumonectomy and, 73
Local skin reactivity to tuberculin, 35
Longacre, J. J., and Herrmann, L. G. Pulmonary suppuration, 79
Lung abscess, 79
—— in tularaemia, 84
——, suppuration of, Phrenic-nerve interruption in, 70
——, tuberculosis of, Cancer and, 82

Macdonald, R. H. Tuberculous empyema, 52
Maggots, Chronic thoracic empyema treated with, 78
Mahr, E. Carbohydrate assimilation in tuberculosis of childhood, 14
Major surgical treatment of pulmonary tuberculosis, 64
Malaria and tuberculosis, 85
Man, Bovine tubercle bacilli in, 30
Marchandise, C., and Gernez, C. Effect of hyperthermia on cutaneous tuberculin reactions, 47
Mason, G. A. Total pulmonectomy with recovery, 74
Matthews, R. J. Tuberculosis in Zanzibar, 4
Mayer, A. Atypical acid-fast bacilli, 28
McCann, W. S., *et al.* (see, Hurtado, A.). Pulmonary capacity in pulmonary fibrosis, 26
——, ——. ——., —— (—— ——, ——.). Relationship of pulmonary capacity to gaseous content of arterial blood, 26
McCarter, Janet, and Hastings, E. G. Johne's bacillus in synthetic medium, 31
McCurry, A. L., and Tanner, S. E. Three cases of uveoparotid tuberculosis, 50
McGinn, S., and White, P. D. Acute cor pulmonale, 80
McMahon, B. T., and Kerper, E. H. Auscultation of pulmonary cavities, 42
McNamara, W. L., and Doucey, E. F. Method of sputum digestion, 43
Measuring antibodies, Complement-fixation methods of, 46
Mediastinal and apical empyema, Combined, 79
Medium, synthetic, Johne's bacillus in, 31
Meinicke reaction in tuberculosis, 46
Meltzer, Sara, *et al.* (see Abbot, A. C.). Pulmonary collapse and thyroid gland, 66
Meningitis, tuberculous, bovine tubercle bacilli in, Virulent, 60
——, ——, Cerebrospinal fluid in, 61
——, ——, in children, 15
——, ——, tubercle bacilli in, Polymorphism of, 60
——, ——, with recovery, 60
Menzel, A. E. O., and Heidelberger, M. Complex polysaccharide from human tubercle bacillus H37, 25
Merritt, H. H., and Fremont-Smith, F. Cerebrospinal fluid in tuberculous meningitis, 61
Method of sputum digestion, 43
Methods, Complement-fixation, of measuring antibodies, 46
Meyer, J., and Sartory, A. and R. Mutations of tubercle bacillus, 29
Michel, P. J., *et al.* (see Gaté, J.). Blood cultures in tuberculosis cutis and tuberculides, 62
Michel, R., and Douday, D. Motor function of diaphragm, 24
Michigan, Tuberculous infection in, 1
Milk and colostrum of tuberculous women, Examination of, 47
Mills, C. A. Susceptibility to tuberculosis, 10
Minet, J., and Dupire, J. Phrenicectomy for persistent haemoptysis, 70
——, ——., —— Houcke, E. Spontaneous pneumothorax and acute pulmonary diseases, 78
Minimal tuberculous lesion, 20
Mishulow, L., Siegel, M., Singer, B., and Romono, M. Blood cultures for tubercle bacilli using whole blood, 45
Mitchell, A. G., *et al.* Tuberculin allergy and acute diseases, 33
Molnár, J. Circulatory disturbances in pulmonary tuberculosis, 25
Morphology, Colony, of tubercle bacilli, 28
Motor function of diaphragm, 24
Mourigan, H. Tuberculous cavity in infant 43 days old, 13

Multiple tuberculous abscess of brain, 62
Mutations of tubercle bacillus, 29

Nathansen, L., and Taylor, H. K. Laryngeal and cervical tuberculosis, 50
Natives, African, Tuberculosis among, 2
—— of Tanganyika, Tuberculosis in, 6
Neiman, B. H. Varix of pulmonary vein, 85
Nelson, H., *et al.* (see Renzo, A.). Injection of alcohol into phrenic nerve, 69
Neoplasm, Empyema complicating, 79
Nephrectomy, End-results of, 58
—— for renal tuberculosis, 57
Nerve, phrenic, Injection of alcohol into, 69
New operation for tuberculous empyema, 66
Normal kidneys, tuberculosis patients with, Acid-fast bacilli in, 57
—— sedimentation rate in tuberculosis, 46

Oechsli, W. R. Roentgenology and thoracoplasty, 72
Oifebach, M., and Chavrova, Z. Primary tuberculosis in adults, 20
Old Tuberculin and tuberculoproteins, 33
Olney, J. F., and Van Es, L. Environment and avian tuberculosis, 13
Open air treatment of tuberculous children, 15
Operation for tuberculous empyema, New, 66
——, fusion, Hip, 59
——, Hip fusion and shelf, 60
Origin, Endogenous, of pulmonary tuberculosis, 10
Output, cardiac, Pneumothorax and, 78
Overholt, R. H., and Pilcher, L. S. Venous pressure after thoracoplasty, 72

Page, R. C. Pulmonary asbestosis, 80
Pagel, W. Endogenous origin of pulmonary tuberculosis, 10
Paralysis, Phrenic, and interposition of colon, 69
Parry, C. L. Tuberculous meningitis with recovery, 60
Pathology of bilateral pneumothorax, Physiological, 67
Patient, same, tubercle bacilli isolated from, Variance in, 29
Pearson, S. V. Prognosis in pulmonary tuberculosis 85
Pennell, V. Ureteral transplantation from bladder to rectum for tuberculous cystitis, 58
Per os, Vaccination, of R and S variants of *BCG*, 38
Pereira, L. L., Troconis, F., Gómez, G. E., and Vernaza, F. Campaign against tuberculosis in Colombia, 8
Perforation of bronchial nodes, Atelectasis due to, 75
Persistence of avian bacilli in soil, 30
Persistent haemoptysis, Phrenicectomy for, 70
—— infected pneumothorax, 77
Peru, Tuberculous infection in, 7
Petresco, J. Examination of milk and colostrum of tuberculous women, 47
Petrin, I. Prevention of pleuritis in artificial pneumothorax, 67
Pezzangora, F., and Bacanu, C. Acid-fast bacilli in tuberculosis patients with normal kidneys, 57
Phenomenon, Schwartzmann, in tuberculous guinea pigs, 16
Phlyctenular conjunctivitis and tuberculous infection, 49
Phrenic nerve, Injection of alcohol into, 69
—— —— interruption, 69
—— —— —— in suppuration of lung, 70
—— paralysis and interposition of colon, 69
Phrenicectomy for persistent haemoptysis, 70
Physiological pathology of bilateral pneumothorax, 67
Phytotoxic index in pulmonary tuberculosis, 46
Piasecka-Zeyland, E., and Sznajder, W. Bovine tubercle bacilli in man, 30
——, ——., —— ——, ——. Tubercle bacilli in faeces, 43
Pilcher, L. S., and Overholt, R. H. Venous pressure after thoracoplasty, 72
Pleural cavity, tuberculous infection of, Experimental, 23
—— poudrage, 74
Pleurisy, exudative, treatment of, Artificial pneumothorax, 67
——, primary (idiopathic?), Treatment of, 51
——, tuberculous, Experimental, 23

Pleuritis in artificial pneumothorax, Prevention of, 67
Pleuropulmonary retraction after artificial pneumothorax, 68
Pneumolysis, Intrapleural, 70, 71
Pneumonectomy and lobectomy, 73
Pneumonia, lobar, Artificial pneumothorax in, 76
Pneumonocavernolysis, 73
Pneumothorax, acute, Treatment of, 76
—— and cardiac output, 78
——, Artificial, in lobar pneumonia, 76
——, ——, pleuritis in, Prevention of, 67
——, ——, Pleuropulmonary retraction after, 68
——, ——, Reëstablished, 68
——, ——, treatment of exudative pleurisy, 67
——, bilateral, Physiological pathology of, 67
——, ——, Simultaneous, 77
——, Force of gravity on, 68
——, infected, Persistent, 77
——, Spontaneous, and acute pulmonary diseases, 78
Polymorphism of tubercle bacilli in tuberculous meningitis, 60
Polysaccharide, Complex, from human tubercle bacillus H37, 25
Potter, B. P. Pneumonocavernolysis, 73
Potter, E. L. Hodgkin's disease, 82
Poudrage, Pleural, 74
Pregnancy and pulmonary tuberculosis, 11
Pressure, Intrapleural, during childbirth, 27
——, Venous, after thoracoplasty, 72
Prevention of pleuritis in artificial pneumothorax, 67
Priboianu, D., and Blechmann, M. Traumatism in pulmonary disease, 13
Primary diaphragmitis, Acute, 53
—— (idiopathic?) pleurisy, Treatment of, 51
—— tuberculosis, 19
—— —— in adults, 20
Principles of activity in tuberculosis, 48
Problem, Diagnostic, of dyspnoea, 47
——, tuberculosis, Avian, 18
——, ——, Economics of, 1
Prognosis in pulmonary tuberculosis, 85
Program of tuberculosis control, 8
Protein antigens, ordinary, "Tuberculin type" reaction with, 34
Protozoa, Soil, and tubercle bacilli, 31
Pruvost, Brincourt, Livieratos and Leblanc. Roentgenology of giant cavities, 40
Pulmonary apex, Empyema of, in childhood, 16
—— asbestosis, 80
—— aspergillosis, 83
—— capacity in pulmonary fibrosis, 26
—— ——, Relationship of, to gaseous content of arterial blood, 26
——, cavities, Auscultation of, 42
—— collapse and thyroid gland, 66
—— disease, Blood gas content in, 25
—— ——, chronic, Carbon dioxide in blood in, 26
—— ——, Traumatism in, 13
—— diseases, acute, Spontaneous pneumothorax and, 78
—— fibrosis, Pulmonary capacity in, 26
—— haemorrhage, Haemorrhagic diathesis and, in tuberculosis, 25
—— suppuration, 79
—— tuberculosis, advanced, Tubercle bacilli in urine in, 56
—— ——, Blood picture and sedimentation reaction in, 38
—— ——, Bronchial stenosis in, 22
—— ——, Circulatory disturbances in, 25
—— ——, Endogenous origin of, 10
—— ——, Hyperchloraemia in, 38
—— ——, Phytotoxic index in, 46
—— ——, Pregnancy and, 11
—— ——, Prognosis in, 85
—— ——, Treatment of, 63
—— ——, —— ——, surgical, Major, 64
—— vein, Varix of, 85
Pulmonectomy, Total, with recovery, 74
Pyrah, L. N., and Hartfall, S. J. Combined mediastinal and apical empyema, 79

R and S variants of *BCG*, Vaccination *per os* of, 38
Rand, C. W. Multiple tuberculous abscess of brain, 62
Rate, sedimentation, in tuberculosis, Normal, 46
Ratio, calcium-potassium, Ultrafilterable calcium and, in blood of tuberculous, 24

Reaction, Meinicke, in tuberculosis, 46
——, sedimentation, Blood picture and, in pulmonary tuberculosis, 38
——, "Tuberculin type," with ordinary protein antigens, 34
Reactions, Cellular, to acetone-soluble fat, 22
——, tuberculin, cutaneous, Effect of hyperthermia on, 47
Reactivity, skin, Local, to tuberculin, 35
Recovery, pulmonectomy with, Total, 74
——, Tuberculous meningitis with, 60
Rectum, Ureteral transplantation from bladder to, for tuberculous cystitis, 58
Reëstablished artificial pneumothorax, 68
Reinfection and resistance to tuberculosis, 36
Relationship of pulmonary capacity to gaseous content of arterial blood, 26
Renal tuberculosis, 55
—— ——, Incidence of, 56
—— ——, Nephrectomy for, 57
Renzo, A., Nelson, H., and DeRezende, S. Injection of alcohol into phrenic nerve, 69
Resistance to tuberculosis, Reinfection and, 36
Respiratory changes in calibre of bronchi, 22
Results, End-, of nephrectomy, 58
——, thoracoplasty, Unsatisfactory, 73
Retraction, Pleuropulmonary, after artificial pneumothorax, 68
Rhines, C. Persistence of avian bacilli in soil, 30
——, ——. Soil protozoa and tubercle bacilli, 31
Richard, E. K., and Lloyd, J. J. Intrapleural pressure during childbirth, 27
Richards, D. W., Jr., Cournand, A., and Bryan, N. A. Carbon dioxide in blood in chronic pulmonary disease, 26
——, ——. ——., ——., *et al.* (see Cournand, A.). Pneumothorax and cardiac output, 78
Robertson, W. E., *et al.* (see Behrend, A.). Artificial pneumothorax in lobar pneumonia, 76
Roentgenograms, Chest, in tularaemia, 84
Roentgenology and thoracoplasty, 72
—— of giant cavities, 40
Romanis, W. H. C., and Sellors, T. H. Surgical closure of apical cavities, 72
Romono, M., *et al.* (see Mishulow, L.). Blood cultures for tubercle bacilli using whole blood, 45
Rosenblum, J., *et al.* (see Koster, H.). Treatment of empyema in children, 16
Round focal shadows, 21
Rucher, C. J., and Fetter, T. R. Renal tuberculosis, 55

S, R and, variants of *BCG*, Vaccination *per os* of, 38
Sabin, F. R., and Smithburn, K. C. Cellular reactions to acetone-soluble fat, 22
Sadettin, M., *et al.* (see Saenz, A.). Acid-fast bacilli from guinea pigs with spontaneous infection, 19
——, ——., —— (—— ——, ——.). Spontaneous acid-fast infections of guinea pigs, 19
——, ——., —— (—— ——, ——.). Spontaneous infections of tuberculosis among laboratory guinea pigs, 18
——, ——., —— (—— ——, ——.). Tubercle bacilli in urine in advanced pulmonary tuberculosis, 56
Saenz, A. Virulent bovine tubercle bacilli in tuberculous meningitis, 60
——, ——., Costil, L., and Sadettin, M. Acid-fast bacilli from guinea pigs with spontaneous infection, 19
——, ——., ——, ——., —— ——, ——. Spontaneous acid-fast infections of guinea pigs, 19
——, ——., ——, ——., —— ——, ——. Spontaneous infections of tuberculosis among laboratory guinea pigs, 18
——, ——., Eisendrath, D., Costil, L., and Sadettin, M. Tubercle bacilli in urine in advanced pulmonary tuberculosis, 56
Same patient, tubercle bacilli isolated from, Variance in, 29
Sampson, H. L., and Brown, L. Treatment of pulmonary tuberculosis, 63
Sanocrysin, treatment with, Blood changes during, 74
Sante, L. R. Lipiodol in bronchography, 41
Sarmento, A. deM., and daCosta, M.-J. Bruno. Ultrafilterable calcium and calcium-potassium ratio in blood of tuberculous, 24

Sarno, A., and Blanco, R. P. Pleuropulmonary retraction after artificial pneumothorax, 68
Sartory, A. and R., and Meyer, J. Mutations of tubercle bacillus, 29
Scadding, J. G. Iodism and death after lipiodol bronchography, 41
Schemmel, J. Round focal shadows, 21
Schlotthauer, C. F., and Feldman, W. H. Avian tuberculosis from cattle, 17
School-children, Tuberculosis in, 14
Schwartzman, G. Local skin reactivity to tuberculin, 35
Schwartzmann phenomenon in tuberculous guinea pigs, 16
Scoliosis, thoracogenic, Experimental, 80
Search for tubercle bacilli in child by stomach lavage, 15
Sedimentation rate in tuberculosis, Normal, 46
—— reaction, blood picture and, in pulmonary tuberculosis, 38
Seibert, F. B. Antigenic properties of various tuberculin fractions, 33
Seidelin, Gerda. Hyperchloraemia in pulmonary tuberculosis, 38
Sellors, T. H., and Romanis, W. H. C. Surgical closure of apical cavities, 72
Sergent, E., and Kourilsky, R. Phrenic-nerve interruption in suppuration of lung, 70
——, ——., —— Launay, C. Phrenic-nerve interruption, 69
Shadows, Round focal, 21
Shelf operation, Hip fusion and, 60
Siegel, M., *et al.* (see Mishulow, L.). Blood cultures for tubercle bacilli using whole blood, 45
Siive, S. A. Phlyctenular conjunctivitis and tuberculous infection, 49
Simultaneous bilateral pneumothorax, 77
Singer, B., *et al.* (see Mishulow, L.). Blood cultures for tubercle bacilli using whole blood, 45
Single tubercle bacillus, Infection of guinea pigs by, 28
Skin reactivity, Local, to tuberculin, 35
Slavin, P. Phrenic paralysis and interposition of colon, 69
Smith, C. H. Leucocytes in tuberculosis, 43
Smith, H. R. Avian tuberculosis problem, 18
Smithburn, K. C. Colony morphology of tubercle bacilli, 28
——, ——. ——., and Sabin, F. R. Cellular reactions to acetone-soluble fat, 22
Snell, A. M. Addison's disease, 59
Sodium chloride in sputum, 39
Sofia, F., and D'Allesandro, B. Adsorption of antibodies, 37
Soil, avian bacilli in, Persistence of, 30
—— protozoa and tubercle bacilli, 31
Sources, human, tubercle bacilli from, virulence of, Variation of, 29
Southern Sudan, Dinkas of, Tuberculosis among, 3
Spontaneous acid-fast infections of guinea pigs, 19
—— infection, guinea pigs with, Acid-fast bacilli from, 19
—— infections of tuberculosis among laboratory guinea pigs, 18
—— pneumothorax and acute pulmonary diseases, 78
Sputum digestion, Method of, 43
——, Sodium chloride in, 39
Starcke, H. Atelectasis or infiltration, 23
Status of animal tuberculosis eradication, 18
Steinmann, B. Iron storage in tuberculous tissue, 27
Stenosis, Bronchial, in pulmonary tuberculosis, 22
Stephenson, E., *et al.* (see Abbot, A. C.). Pulmonary collapse and thyroid gland, 66
Stewart, C. A. Old Tuberculin and tuberculoproteins, 33
Stomach lavage, Search for tubercle bacilli in child by, 15
Storage, Iron, in tuberculous tissue, 27
Study of diaphragm, 23
Sudan, Southern, Dinkas of, Tuberculosis among, 3
Suppuration of lung, Phrenic-nerve interruption in, 70
——, Pulmonary, 79
Surgical closure of apical cavities, 72
—— treatment of pulmonary tuberculosis, Major, 64
Susceptibility to tuberculosis, 10

Suter, F. End-results of nephrectomy, 58
Synthetic medium, Johne's bacillus in, 31
Sznajder, W., and Piasecka-Zeyland, E. Bovine tubercle bacilli in man, 30
——, ——., —— ——, ——. Tubercle bacilli in faeces, 43

Tanganyika, natives of, Tuberculosis in, 6
Tanner, S. E., and McCurry, A. L. Three cases of uveoparotid tuberculosis, 50
Taylor, H. K. X-ray interpretation, 40
——, ——. ——., and Nathansen, L. Laryngeal and cervical tuberculosis, 50
Tests, Tuberculin, in Greenland, 7
Therapy, Light, for urogenital tuberculosis, 57
Thiele, T. Blood picture and sedimentation reaction in pulmonary tuberculosis, 38
Thoracic empyema, Chronic, treated with maggots, 78
Thoracogenic scoliosis, Experimental, 80
Thoracoplasty, Apical, 71
—— results, Unsatisfactory, 73
——, Roentgenology and, 72
——, Upper, 72
——, Venous pressure after, 72
Thyroid gland, Pulmonary collapse and, 66
Tissue, tuberculous, Iron storage in, 27
Torosian, G. Malaria and tuberculosis, 85
Total pulmonectomy with recovery, 74
Touroff, A. S. W. Persistent infected pneumothorax, 77
Transformation of bovine tubercle bacilli, 29
Transplantation, Ureteral, from bladder to rectum for tuberculous cystitis, 58
Traumatism in pulmonary disease, 13
Treated with acetone extract of tubercle bacilli, Inoculated guinea pigs, 37
—— —— maggots, Chronic thoracic empyema, 78
Treatment, Artificial pneumothorax, of exudative pleurisy, 67
—— of acute pneumothorax, 76
—— —— empyema, 78
—— —— —— in children, 16
—— —— haemoptysis, 65
—— —— primary (idiopathic?) pleurisy, 51
—— —— pulmonary tuberculosis, 63
—— —— —— ——, surgical, Major, 64
——, Open air, of tuberculous children, 15
Treatment with sanocrysin, Blood changes during, 74
Triviño, G., Cambronero, M., and Esteban, J. Pulmonary aspergillosis, 83
Troconis, F., *et al.* (see Pereira, L. L.). Campaign against tuberculosis in Colombia, 8
Tubercle bacilli, acetone extract of, Inoculated guinea pigs treated with, 37
—— ——, Action of water on, 30
—— ——, Analysis of gastric contents for, 15
—— ——, Blood cultures for, using whole blood, 45
—— ——, Bovine, in man, 30
—— ——, ——, Transformation of, 29
—— ——, ——, Virulent, in tuberculous meningitis, 60
—— ——, Filterable forms of, made virulent by acetone, 28
—— —— from human sources, virulence of, Variation of, 29
—— —— in blood, Demonstration of, 45
—— —— —— faeces, 43
—— —— —— tuberculous meningitis, Polymorphism of, 60
—— —— —— urine in advanced pulmonary tuberculosis, 56
—— —— isolated from same patient, Variance in, 29
—— ——, Isolation of, 44
—— ——, morphology of, Colony, 28
—— ——, Search for, in child by stomach lavage, 15
—— ——, Soil protozoa and, 31
—— bacillus, Demonstration of, 44
—— —— H37, human, bacillus, Complex polysaccharide from, 25
—— ——, Mutations of, 29
—— ——, single, Infection of guinea pigs by, 28
Tuberculides, Blood cultures in tuberculosis cutis and, 62
Tuberculin allergy and acute diseases, 33
—— ——, Clinical significance of, 31
—— fractions, Antigenic properties of various, 33
——, Old, and tuberculoproteins, 33
—— reactions, cutaneous, Effect of hyperthermia on, 47

Tuberculin, skin reactivity to, Local, 35
—— tests in Greenland, 7
"Tuberculin type" reaction with ordinary protein antigens, 34
Tuberculoproteins, Old Tuberculin and, 33
Tuberculosis, active, Hypertension and, 39
——, activity in, Principles of, 48
—— among African natives, 2
—— —— Dinkas of Southern Sudan, 3
——, avian, Environment and, 13
——, ——, from cattle, 17
——, Blood picture in, 43
—— control, Program of, 8
—— cutis and tuberculides, Blood cultures in, 62
——, Diagnosis of early, 39
——, early, Diagnosis of, 39
——, Endocardial, 53
—— eradication, animal, Status of, 18
——, Genital-tract, 56
——, Haemorrhagic diathesis and pulmonary haemorrhage in, 25
—— in Colombia, Campaign against, 8
—— —— natives of Tanganyika, 6
—— —— school-children, 14
—— —— Zanzibar, 4
——, infections of, Spontaneous, among laboratory guinea pigs, 18
——, Intestinal, 54
——, ——, Calcification in, 53
——, Laryngeal and cervical, 50
——, Leucocytes in, 43
——, Malaria and, 85
——, Meinicke reaction in, 46
—— of childhood, Carbohydrate assimilation in, 14
—— —— lung, Cancer and, 82
—— patients with normal kidneys, Acid-fast bacilli in, 57
——, Primary, 19
——, ——, in adults, 20
—— problem, Avian, 18
—— ——, Economics of, 1
——, pulmonary, advanced, Tubercle bacilli in urine in, 56
——, ——, Blood picture and sedimentation reaction in, 38
——, ——, Bronchial stenosis in, 22
——, ——, Circulatory disturbances in, 25
——, ——, Endogenous origin of, 10
Tuberculosis, pulmonary, Hyperchloraemia in, 38
——, ——, Phytotoxic index in, 46
——, ——, Pregnancy and, 11
——, ——, Prognosis in, 85
——, ——, Treatment of, 63
——, ——, —— ——, surgical, Major, 64
——, Renal, 55
——, ——, Incidence of, 56
——, ——, nephrectomy for, 57
——, resistance to, Reinfection and, 36
——, sedimentation rate in, Normal, 46
——, Susceptibility to, 10
——, urogenital, Light therapy for, 57
——, uveoparotid, cases of, Three, 50
Tuberculous abscess of brain, Multiple, 62
—— arteritis, 54
——, blood of, Ultrafilterable calcium and calcium-potassium ratio in, 24
—— cavities, Histology of, 21
—— cavity in infant 43 days old, 13
—— children, treatment of, Open air, 15
—— cystitis, Ureteral transplantation from bladder to rectum for, 58
—— empyema, 52
—— ——, operation for, New, 66
—— guinea pigs, Schwartzmann phenomenon in, 16
—— infection in Michigan, 1
—— —— —— Peru, 7
—— —— of pleural cavity, Experimental, 23
—— ——, Phlyctenular conjunctivitis and, 49
—— lesion, Minimal, 20
—— lesions, Allergy and, 34
—— meningitis, bovine tubercle bacilli in, Virulent, 60
—— ——, Cerebrospinal fluid in, 61
—— —— in children, 15
—— ——, tubercle bacilli in, Polymorphism of, 60
—— —— with recovery, 60
—— pleurisy, Experimental, 23
—— tissue, Iron storage in, 27
—— women, milk and colestrum of, Examination of, 47
Tuck, F. L., *et al.* (see Behrend, A.). Artificial pneumothorax in lobar pneumonia, 76

Tucker, C. M., and Durant, A. J. Aspergillosis of wild turkeys in captivity, 83
Tularaemia, Chest roentgenograms in, 84
——, Lung in, 84
Tumors, Intrathoracic, 81
Turkeys, wild, in captivity, Aspergillosis of, 83
Tuttle, W. M., and Cannon, P. R. Lung abscess, 79
——, ——. ——., —— Womack, N. A. Bronchogenic carcinoma, 81

Ultrafilterable calcium and calcium-potassium ratio in blood of tuberculous, 24
Unsatisfactory thoracoplasty results, 73
Unverricht, H. Intrapleural pneumolysis, 71
Upper thoracoplasty, 72
Ureteral transplantation from bladder to rectum for tuberculous cystitis, 58
Urine, Tubercle bacilli in, advanced pulmonary tuberculosis, 56
Urogenital tuberculosis, Light therapy for, 57
Uveoparotid tuberculosis, cases of, Three, 50

Vaccination *per os* of R and S variants of *BCG*, 38
Valtis, J., and Van Deinse, F. Inoculated guinea pigs treated with acetone extract of tubercle bacilli, 37
——, ——., —— ——, ——. Transformation of bovine tubercle bacilli, 29
Van Deinse, F., and Valtis, J. Inoculated guinea pigs treated with acetone extract of tubercle bacilli, 37
——, ——., —— ——, ——. Transformation of bovine tubercle bacilli, 29
Van Es, L., and Olney, J. F. Environment and avian tuberculosis, 13
Variance in tubercle bacilli isolated from same patient, 29
Variants of *BCG*, R and S, Vaccination *per os* of, 38
Variation of virulence of tubercle bacilli from human sources, 29
Varix of pulmonary vein, 85
Varrier-Jones, P. Economics of tuberculosis problem, 1
Vascular changes in atelectasis, 75
Veiel, K. Reëstablished artificial pneumothorax, 68
Vein, pulmonary, Varix of, 85
Venous pressure after thoracoplasty, 72
Vernaza, F., *et al.* (see Pereira, L. L.). Campaign against tuberculosis in Colombia, 8
Virulence of tubercle bacilli from human sources, Variation of, 29
Virulent bovine tubercle bacilli in tuberculous meningitis, 60
——, Filterable forms of tubercle bacilli made, by acetone, 28
vonGroer, F. Clinical significance of tuberculin allergy, 31
v. Szelöczey, D. Apical thoracoplasty, 71

Walcker, Marie. Isolation of tubercle bacilli, 44
Wallgren, A. Primary tuberculosis, 19
Wang, S. L. Light therapy for urogenital tuberculosis, 57
Wangensteen, O. H. Treatment of empyema, 78
Warner, C. G., and Bubert, H. M. Fatal asthma, 75
Washburn, F. H. Intrapleural pneumolysis, 70
Water, Action of, on tubercle bacilli, 30
Weber, G. Open air treatment of tuberculous children, 15
Weissfeiler, J., and Dwolaitskaja-Barischewa, K. M. Action of water on tubercle bacilli, 30
Wershub, L. P., *et al.* (see Greenberger, M. E.). Incidence of renal tuberculosis, 56
White, P. D., and McGinn, S. Acute cor pulmonale, 80
Whole blood, Blood cultures for tubercle bacilli using, 45
Wight, A. E. Status of animal tuberculosis eradication, 18
Wilcocks, C. Tuberculosis in natives in Tanganyika, 6
Wild turkeys in captivity, Aspergillosis of, 83
Wissler, J. E., *et al.* (see Archer, V. W.). Chest roentgenograms in tularaemia, 84

Womack, N. A., and Tuttle, W. M. Bronchogenic carcinoma, 81
Women, tuberculous, milk and colostrum of, Examination of, 47
Wood, W. B. Diagnosis of early tuberculosis, 39
Woodruff, S. R., and Bumpus, H. C., Jr. Nephrectomy for renal tuberculosis, 57
X-ray interpretation, 40
Young, H. H. Genital-tract tuberculosis, 56
Zanzibar, Tuberculosis in, 4
Zech, K. Meinicke reaction in tuberculosis, 46
Zorn, O. Sodium chloride in sputum, 39